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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: Tue Sep 25 12:12:43 EDT 2007

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Reviewer Comments:

? ?

Delete the Non Ascii characters appears above the headings.

?? ?? ?C# hC# h * + O s ? ? ? ? N P ? ?

/

0

>

?

Please delete the end of file text which appears below seq id 656

And save the file in ASCII txt mode

delete the extra heading inserted in the sequence listing which appears one below the other.

Application No: 10576331 Version No: 1.0

Input Set:

Output Set:

Started: 2007-09-12 13:26:32.596
Finished: 2007-09-12 13:27:06.289
Elapsed: 0 hr(s) 0 min(s) 33 sec(s) 693 ms
Total Warnings: 2355
Total Errors: 342
No. of SeqIDs Defined: 656
Actual SeqID Count: 656

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)
W 402	Undefined organism found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (12)
W 402	Undefined organism found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 402	Undefined organism found in <213> in SEQ ID (18)

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Error code	Error Description
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (34)
W 402	Undefined organism found in <213> in SEQ ID (37)
W 402	Undefined organism found in <213> in SEQ ID (38)
W 402	Undefined organism found in <213> in SEQ ID (40)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (40)
W 213	Artificial or Unknown found in <213> in SEQ ID (45)
W 213	Artificial or Unknown found in <213> in SEQ ID (46)
W 213	Artificial or Unknown found in <213> in SEQ ID (47)
W 213	Artificial or Unknown found in <213> in SEQ ID (48)
W 213	Artificial or Unknown found in <213> in SEQ ID (49)
W 213	Artificial or Unknown found in <213> in SEQ ID (50)
W 213	Artificial or Unknown found in <213> in SEQ ID (51)
W 213	Artificial or Unknown found in <213> in SEQ ID (52)
W 402	Undefined organism found in <213> in SEQ ID (61)
W 402	Undefined organism found in <213> in SEQ ID (62)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (62)
W 402	Undefined organism found in <213> in SEQ ID (65)
W 402	Undefined organism found in <213> in SEQ ID (66)
W 402	Undefined organism found in <213> in SEQ ID (69)
	This error has occurred more than 20 times, will not be displayed

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Error code	Error Description		
W 213	Artificial or Unknown found in <213>	in SEQ ID (79)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (80)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (81)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (82)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (83)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (84)	This error has occured more than 20 times, will not be displayed
E 341	'Xaa' position not defined	SEQID (125)	POS (170)
E 341	'Xaa' position not defined	SEQID (125)	POS (171)
E 341	'Xaa' position not defined	SEQID (125)	POS (172)
E 341	'Xaa' position not defined	SEQID (125)	POS (173)
E 341	'Xaa' position not defined	SEQID (125)	POS (174)
E 341	'Xaa' position not defined	SEQID (125)	POS (175)
E 341	'Xaa' position not defined	SEQID (125)	POS (176)
E 341	'Xaa' position not defined	SEQID (125)	POS (177)
E 341	'Xaa' position not defined	SEQID (125)	POS (178)
E 341	'Xaa' position not defined	SEQID (125)	POS (179)
E 341	'Xaa' position not defined	SEQID (125)	POS (180)
E 341	'Xaa' position not defined	SEQID (125)	POS (181)
E 341	'Xaa' position not defined	SEQID (125)	POS (182)
E 341	'Xaa' position not defined	SEQID (125)	POS (183)
E 341	'Xaa' position not defined	SEQID (125)	POS (184)
E 341	'Xaa' position not defined	SEQID (125)	POS (185)

Input Set:

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Actual SeqID Count: 656

Error code	Error Description
E 341	'Xaa' position not defined SEQID (125) POS (186)
E 341	'Xaa' position not defined SEQID (125) POS (187)
E 341	'Xaa' position not defined SEQID (125) POS (188)
E 341	'Xaa' position not defined SEQID (125) POS (189) This error has occurred more than 20 times, will not be displayed
W 112	Upper case found in data; Found at position(977) SEQID(656)
W 112	Upper case found in data; Found at position(1528) SEQID(656)
W 112	Upper case found in data; Found at position(1930) SEQID(656)
W 112	Upper case found in data; Found at position(1950) SEQID(656)
W 112	Upper case found in data; Found at position(2002) SEQID(656)
W 112	Upper case found in data; Found at position(2030) SEQID(656)
W 112	Upper case found in data; Found at position(2440) SEQID(656)
W 112	Upper case found in data; Found at position(2452) SEQID(656)
W 112	Upper case found in data; Found at position(2496) SEQID(656)
W 112	Upper case found in data; Found at position(2500) SEQID(656)
W 112	Upper case found in data; Found at position(2504) SEQID(656)
W 112	Upper case found in data; Found at position(2531) SEQID(656)
W 112	Upper case found in data; Found at position(2552) SEQID(656)
W 112	Upper case found in data; Found at position(2941) SEQID(656)
W 112	Upper case found in data; Found at position(2945) SEQID(656)
W 112	Upper case found in data; Found at position(2966) SEQID(656)
W 112	Upper case found in data; Found at position(2991) SEQID(656)
W 112	Upper case found in data; Found at position(3015) SEQID(656)

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Error code	Error Description	
W 112	Upper case found in data;	Found at position(3043) SEQID(656)
W 112	Upper case found in data;	Found at position(3047) SEQID(656) This error has occurred more than 20 times, will not be displayed
E 342	'n' position not defined	found at POS: 4496 SEQID(656)
E 342	'n' position not defined	found at POS: 9429 SEQID(656)
E 342	'n' position not defined	found at POS: 12391 SEQID(656)
E 342	'n' position not defined	found at POS: 12931 SEQID(656)
E 342	'n' position not defined	found at POS: 19721 SEQID(656)
E 342	'n' position not defined	found at POS: 30772 SEQID(656)
E 342	'n' position not defined	found at POS: 30776 SEQID(656)
E 342	'n' position not defined	found at POS: 30779 SEQID(656)
E 342	'n' position not defined	found at POS: 30783 SEQID(656)
E 342	'n' position not defined	found at POS: 30787 SEQID(656)
E 342	'n' position not defined	found at POS: 30791 SEQID(656)
E 342	'n' position not defined	found at POS: 30795 SEQID(656)
E 342	'n' position not defined	found at POS: 30799 SEQID(656)
E 342	'n' position not defined	found at POS: 30803 SEQID(656)
E 342	'n' position not defined	found at POS: 30807 SEQID(656)
E 342	'n' position not defined	found at POS: 30811 SEQID(656)
E 342	'n' position not defined	found at POS: 30815 SEQID(656)
E 342	'n' position not defined	found at POS: 30819 SEQID(656)
E 342	'n' position not defined	found at POS: 30823 SEQID(656)
E 342	'n' position not defined	found at POS: 30827 SEQID(656)

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Actual SeqID Count: 656

Error code	Error Description
E 259	Found undefined lettercode; POS (90993) SEQID(656)
E 259	Found undefined lettercode; POS (90994) SEQID(656)
E 259	Found undefined lettercode; POS (90995) SEQID(656)
E 259	Found undefined lettercode; POS (90996) SEQID(656)
E 259	Found undefined lettercode; POS (90997) SEQID(656)
E 259	Found undefined lettercode; POS (90998) SEQID(656)
E 259	Found undefined lettercode; POS (90999) SEQID(656)
E 259	Found undefined lettercode; POS (91000) SEQID(656)
E 259	Found undefined lettercode; POS (91001) SEQID(656)
E 259	Found undefined lettercode; POS (91002) SEQID(656)
E 259	Found undefined lettercode; POS (91003) SEQID(656)
E 259	Found undefined lettercode; POS (91004) SEQID(656)
E 259	Found undefined lettercode; POS (91005) SEQID(656)
E 259	Found undefined lettercode; POS (91006) SEQID(656)
E 259	Found undefined lettercode; POS (91008) SEQID(656)
E 259	Found undefined lettercode; POS (91009) SEQID(656)
E 259	Found undefined lettercode; POS (91010) SEQID(656)
E 259	Found undefined lettercode; POS (91011) SEQID(656)
E 259	Found undefined lettercode; POS (91012) SEQID(656)
E 259	Found undefined lettercode; POS (91013) SEQID(656) This error has occurred more than 20 times, will not be displayed

<210> 1
<211> 1680
<212> DNA
<213> Cellulomonas strain 69B4

<400> 1
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accagcacgc tcctaacctc cgagcacccgg cgaccggccgg gtgcgtatgaa agggacgaa
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60
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780
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1020
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1620
1680

<210> 2
<211> 1488
<212> DNA
<213> Cellulomonas strain 69B4

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ccacgcctgg ccgagaagct cgaccccgac ctccctcgagg ccatggagcgc cgacctggc 180
ctcgacgcgg aggaagccgc cgccacccctg gctgtccagc acgacgcagc cgagaccggc 240
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gccctcgagg gccacgacga cgtgcccacc tggtaacgtcg acgtcccgac caacagcgtc 480
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gtcaacgcgc ggttcatcac cgccggccac tgcggccgc cccggccac caccgcaac 720
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ggggccggcg tgaacctgtc ggcccaaggac aacaactact ccggtgccgc cgtccaggac 840
gccgggcaca ccggggccccc cgtcggtcg gccgtgtgcc gtcgggtc gaccaccggg 900
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ggctccaacg	agaccatcac	ctaccgcggc	aacgcccgt	actaccgcta	cgtggtaaac	1440
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<210> 3
 <211> 1404
 <212> DNA
 <213> *Cellulomonas* spp.

<400> 3						
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ggctcgcccg	tgtgcgggtc	cgggtcgacc	accgggtggc	actgcggcac	catcaactcg	840
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<210> 4
 <211> 567
 <212> DNA
 <213> *Cellulomonas* spp.

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gccaacccca	ccgggaccc	cgcgggtcc	agcttcccg	gcaacgacta	cgcgttcgtc	180
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accgtcccg	gcctgatccg	caccaccgtc	tgcggccagc	ccggcgtactc	cggtggctcg	420
ctgctcgccg	gcaaccaggc	ccagggcg	acgtccggcg	gctccggcaa	ctgcggcacc	480
ggtggcacca	cgttttcca	gccggtaac	cccatcctcc	aggcgatcg	cctgaggatg	540
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<210> 5
<211> 83
<212> DNA
<213> Cellulomonas strain 69B4

<400> 5
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caggcggcat ggccgcccag gcc 83

<210> 6
<211> 495
<212> PRT
<213> Cellulomonas strain 69B4

<400> 6

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Pro Pro Gly Ser Ala Ser Ala Pro Pro Arg Leu Ala Glu Lys Leu Asp
35 40 45
Pro Asp Leu Leu Glu Ala Met Glu Arg Asp Leu Gly Leu Asp Ala Glu
50 55 60
Glu Ala Ala Ala Thr Leu Ala Phe Gln His Asp Ala Ala Glu Thr Gly
65 70 75 80
Glu Ala Leu Ala Glu Glu Leu Asp Glu Asp Phe Ala Gly Thr Trp Val
85 90 95
Glu Asp Asp Val Leu Tyr Val Ala Thr Thr Asp Glu Asp Ala Val Glu
100 105 110
Glu Val Glu Gly Glu Gly Ala Thr Ala Val Thr Val Glu His Ser Leu
115 120 125
Ala Asp Leu Glu Ala Trp Lys Thr Val Leu Asp Ala Ala Leu Glu Gly
130 135 140
His Asp Asp Val Pro Thr Trp Tyr Val Asp Val Pro Thr Asn Ser Val
145 150 155 160
Val Val Ala Val Lys Ala Gly Ala Gln Asp Val Ala Ala Gly Leu Val
165 170 175
Glu Gly Ala Asp Val Pro Ser Asp Ala Val Thr Phe Val Glu Thr Asp
180 185 190
Glu Thr Pro Arg Thr Met Phe Asp Val Ile Gly Gly Asn Ala Tyr Thr
195 200 205
Ile Gly Gly Arg Ser Arg Cys Ser Ile Gly Phe Ala Val Asn Gly Gly
210 215 220
Phe Ile Thr Ala Gly His Cys Gly Arg Thr Gly Ala Thr Thr Ala Asn
225 230 235 240
Pro Thr Gly Thr Phe Ala Gly Ser Ser Phe Pro Gly Asn Asp Tyr Ala
245 250 255
Phe Val Arg Thr Gly Ala Gly Val Asn Leu Leu Ala Gln Val Asn Asn
260 265 270
Tyr Ser Gly Gly Arg Val Gln Val Ala Gly His Thr Ala Ala Pro Val
275 280 285
Gly Ser Ala Val Cys Arg Ser Gly Ser Thr Thr Gly Trp His Cys Gly

290	295	300
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305	310	315
Arg Gly Leu Ile Arg Thr Thr Val Cys Ala Glu Pro Gly Asp Ser Gly		
325	330	335
Gly Ser Leu Leu Ala Gly Asn Gln Ala Gln Gly Val Thr Ser Gly Gly		
340	345	350
Ser Gly Asn Cys Arg Thr Gly Gly Thr Thr Phe Phe Gln Pro Val Asn		
355	360	365
Pro Ile Leu Gln Ala Tyr Gly Leu Arg Met Ile Thr Thr Asp Ser Gly		
370	375	380
Ser Ser Pro Ala Pro Ala Pro Thr Ser Cys Thr Gly Tyr Ala Arg Thr		
385	390	395
Phe Thr Gly Thr Leu Ala Ala Gly Arg Ala Ala Ala Gln Pro Asn Gly		
405	410	415
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420	425	430
Gly Pro Ser Gly Ala Asp Phe Asp Leu Tyr Val Gln Arg Trp Asn Gly		
435	440	445
Ser Ser Trp Val Thr Val Ala Gln Ser Thr Ser Pro Gly Ser Asn Glu		
450	455	460
Thr Ile Thr Tyr Arg Gly Asn Ala Gly Tyr Tyr Arg Tyr Val Val Asn		
465	470	475
Ala Ala Ser Gly Ser Gly Ala Tyr Thr Met Gly Leu Thr Leu Pro		
485	490	495

<210> 7
 <211> 467
 <212> PRT
 <213> Cellulomonas strain 69B4

<400> 7

Asn Glu Pro Ala Pro Pro Gly Ser Ala Ser Ala Pro Pro Arg Leu Ala		
1	5	10
Glu Lys Leu Asp Pro Asp Leu Leu Glu Ala Met Glu Arg Asp Leu Gly		
20	25	30
Leu Asp Ala Glu Glu Ala Ala Ala Thr Leu Ala Phe Gln His Asp Ala		
35	40	45
Ala Glu Thr Gly Glu Ala Leu Ala Glu Glu Leu Asp Glu Asp Phe Ala		
50	55	60
Gly Thr Trp Val Glu Asp Asp Val Leu Tyr Val Ala Thr Thr Asp Glu		
65	70	75
Asp Ala Val Glu Val Glu Gly Glu Gly Ala Thr Ala Val Thr Val		
85	90	95
Glu His Ser Leu Ala Asp Leu Glu Ala Trp Lys Thr Val Leu Asp Ala		
100	105	110
Ala Leu Glu Gly His Asp Asp Val Pro Thr Trp Tyr Val Asp Val Pro		
115	120	125
Thr Asn Ser Val Val Val Ala Val Lys Ala Gly Ala Gln Asp Val Ala		
130	135	140
Ala Gly Leu Val Glu Gly Ala Asp Val Pro Ser Asp Ala Val Thr Phe		
145	150	155
Val Glu Thr Asp Glu Thr Pro Arg Thr Met Phe Asp Val Ile Gly Gly		
165	170	175
Asn Ala Tyr Thr Ile Gly Gly Arg Ser Arg Cys Ser Ile Gly Phe Ala		
180	185	190

Val Asn Gly Gly Phe Ile Thr Ala Gly His Cys Gly Arg Thr Gly Ala
 195 200 205
 Thr Thr Ala Asn Pro Thr Gly Thr Phe Ala Gly Ser Ser Phe Pro Gly
 210 215 220
 Asn Asp Tyr Ala Phe Val Arg Thr Gly Ala Gly Val Asn Leu Leu Ala
 225 230 235 240
 Gln Val Asn Asn Tyr Ser Gly Gly Arg Val Gln Val Ala Gly His Thr
 245 250 255
 Ala Ala Pro Val Gly Ser Ala Val Cys Arg Ser Gly Ser Thr Thr Gly
 260 265 270
 Trp His Cys Gly Thr Ile Thr Ala Leu Asn Ser Ser Val Thr Tyr Pro
 275 280 285
 Glu Gly Thr Val Arg Gly Leu Ile Arg Thr Thr Val Cys Ala Glu Pro
 290 295 300
 Gly Asp Ser Gly Gly Ser Leu Leu Ala Gly Asn Gln Ala Gln Gly Val
 305 310 315 320
 Thr Ser Gly Gly Ser Gly Asn Cys Arg Thr Gly Gly Thr Thr Phe Phe
 325 330 335
 Gln Pro Val Asn Pro Ile Leu Gln Ala Tyr Gly Leu Arg Met Ile Thr
 340 345 350
 Thr Asp Ser Gly Ser Ser Pro Ala Pro Ala Pro Thr Ser Cys Thr Gly
 355 360 365
 Tyr Ala Arg Thr Phe Thr Gly Thr Leu Ala Ala Gly Arg Ala Ala Ala
 370 375 380
 Gln Pro Asn Gly Ser Tyr Val Gln Val Asn Arg Ser Gly Thr His Ser
 385 390 395 400
 Val Cys Leu Asn Gly Pro Ser Gly Ala Asp Phe Asp Leu Tyr Val Gln
 405 410 415
 Arg Trp Asn Gly Ser Ser Trp Val Thr Val Ala Gln Ser Thr Ser Pro
 420 425 430
 Gly Ser Asn Glu Thr Ile Thr Tyr Arg Gly Asn Ala Gly Tyr Tyr Arg
 435 440 445
 Tyr Val Val Asn Ala Ala Ser Gly Ser Gly Ala Tyr Thr Met Gly Leu
 450 455 460
 Thr Leu Pro
 465

<210> 8
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<212> PRT
<213> *Cellulomonas* spp.

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<400> 8

Phe Asp Val Ile Gly Gly Asn Ala Tyr Thr Ile Gly Gly Arg Ser Arg
1           5                      10                      15
Cys Ser Ile Gly Phe Ala Val Asn Gly Gly Phe Ile Thr Ala Gly His
           20                      25                      30
Cys Gly Arg Thr Gly Ala Thr Thr Ala Asn Pro Thr Gly Thr Phe Ala
           35                      40                      45
Gly Ser Ser Phe Pro Gly Asn Asp Tyr Ala Phe Val Arg Thr Gly Ala
           50                      55                      60
Gly Val Asn Leu Leu Ala Gln Val Asn Asn Tyr Ser Gly Gly Arg Val
           65                      70                      75                      80
Gln Val Ala Gly His Thr Ala Ala Pro Val Gly Ser Ala Val Cys Arg
           85                      90                      95
Ser Gly Ser Thr Thr Gly Trp His Cys Gly Thr Ile Thr Ala Leu Asn

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100 105 110
Ser Ser Val Thr Tyr Pro Glu Gly Thr Val Arg Gly Leu Ile Arg Thr
115 120 125
Thr Val Cys Ala Glu Pro Gly Asp Ser Gly Gly Ser Leu Leu Ala Gly
130 135 140
Asn Gln Ala Gln Gly Val Thr Ser Gly Gly Ser Gly Asn Cys Arg Thr
145 150 155 160
Gly Gly Thr Thr Phe Phe Gln Pro Val Asn Pro Ile Leu Gln Ala Tyr
165 170 175
Gly Leu Arg Met Ile Thr Thr Asp Ser Gly Ser Ser Pro
180 185

<210> 9
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<213> Cellulomonas strain 69B4

<400> 9

Met Thr Pro Arg Thr Val Thr Arg Ala Leu Ala Val Ala Thr Ala Ala
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Ala Thr Leu Leu Ala Gly Gly Met Ala Ala Gln Ala
20 25

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<212> DNA
<213> Artificial Sequence

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<400> 10
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<210> 11
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<223> n is a, c, g, or t

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<210> 12
<211> 58
<212> PRT
<213> Cellulomonas strain 69B4

<400> 12

Asp Gly Trp Asp Cys Gly Thr Ile Thr Ala Leu Asn Ser Ser Val Thr
1 5 10 15
Tyr